

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
24 June 2004 (24.06.2004)

PCT

(10) International Publication Number  
**WO 2004/052374 A1**

- (51) International Patent Classification<sup>7</sup>: **A61K 31/575**, A61P 11/00, A61K 9/00
- (74) Agent: KRATZER, BERND; c/o ALTANA Pharma AG, Byk-Gulden-Str.2, 78467 Konstanz (DE).
- (21) International Application Number: PCT/EP2003/014045
- (81) Designated States (*national*): AE, AL, AU, BA, BR, CA, CN, CO, DZ, EC, EG, GE, HR, ID, IL, IN, IS, JP, KR, LT, LV, MA, MK, MX, NO, NZ, PH, PL, SG, TN, UA, US, VN, YU, ZA, ZW.
- (22) International Filing Date: 11 December 2003 (11.12.2003)
- (84) Designated States (*regional*): Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
02027797.6 12 December 2002 (12.12.2002) EP  
103 06 213.0 13 February 2003 (13.02.2003) DE
- (71) Applicant (*for all designated States except US*): ALTANA PHARMA AG [DE/DE]; Byk-Gulden-Str. 2, 78467 Konstanz (DE).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): DIETZEL, Klaus [DE/DE]; Thingolstr. 2e, 78465 Konstanz (DE). MARX, Degenhard [DE/DE]; Obere Reute 15, 78345 Moos (DE). MÜLLER, Helgert [DE/DE]; Zum Lerchental 1a, 78315 Radolfzell (DE). WEIMAR, Christian [DE/DE]; Eichhornstr. 51, 78464 Konstanz (DE).
- Declarations under Rule 4.17:**
- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AL, AU, BA, BR, CA, CN, CO, DZ, EC, EG, GE, HR, ID, IL, IN, IS, JP, KR, LT, LV, MA, MK, MX, NO, NZ, PH, PL, SG, TN, UA, VN, YU, ZA, ZW, Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR)*
- *of inventorship (Rule 4.17(iv)) for US only*
- Published:**
- *with international search report*
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*



WO 2004/052374 A1

(54) Title: COMBINATION MEDICAMENT

(57) Abstract: The invention relates to the combination of ciclesonide with R,R-formoterol.